USER'S GUIDE
GEORANDO PDA V2.1

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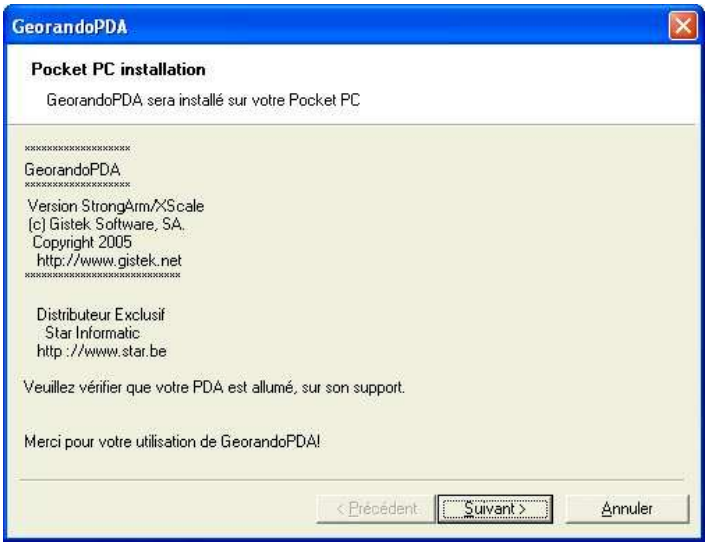
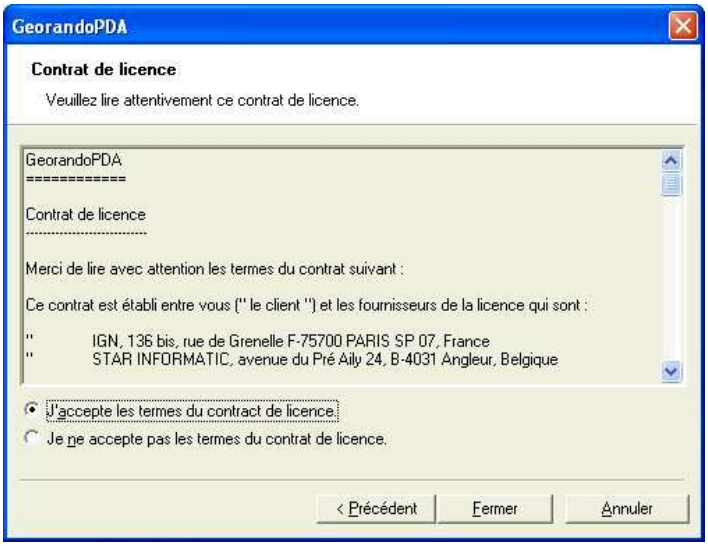
CHAPTER 1: INSTALLING THE APPLICATION

- Stand the Pocket PC up on its docking station and turn it on.
- Run ActiveSync (if it is not an auto-run).
- Double-click on GeorandoPDASetup.exe downloaded from the forum.



- Click '***Suivant***' (in English, '***Next***'). Read carefully the licence agreement and select the option '***J'accepte les termes du contrat de licence***' ('***I accept the terms in the licence agreement')***.
- Click '***Fermer***' ('***Close***').


GeorandoPDA
Contrat de licence
Veuillez lire attentivement ce contrat de licence.
GeorandoPDA
Contrat de licence
Merci de lire avec attention les termes du contrat suivant :
Ce contrat est établi entre vous (" le client ") et les fournisseurs de la licence qui sont :
" IGN, 136 bis, rue de Grenelle F-75700 PARIS SP 07, France
" STAR INFORMATIC, avenue du Pré Aily 24, B-4031 Angleur, Belgique
J'accepte les termes du contract de licence.
Je ne accepte pas les termes du contrat de licence.
< Précédent
Fermer
Annuler

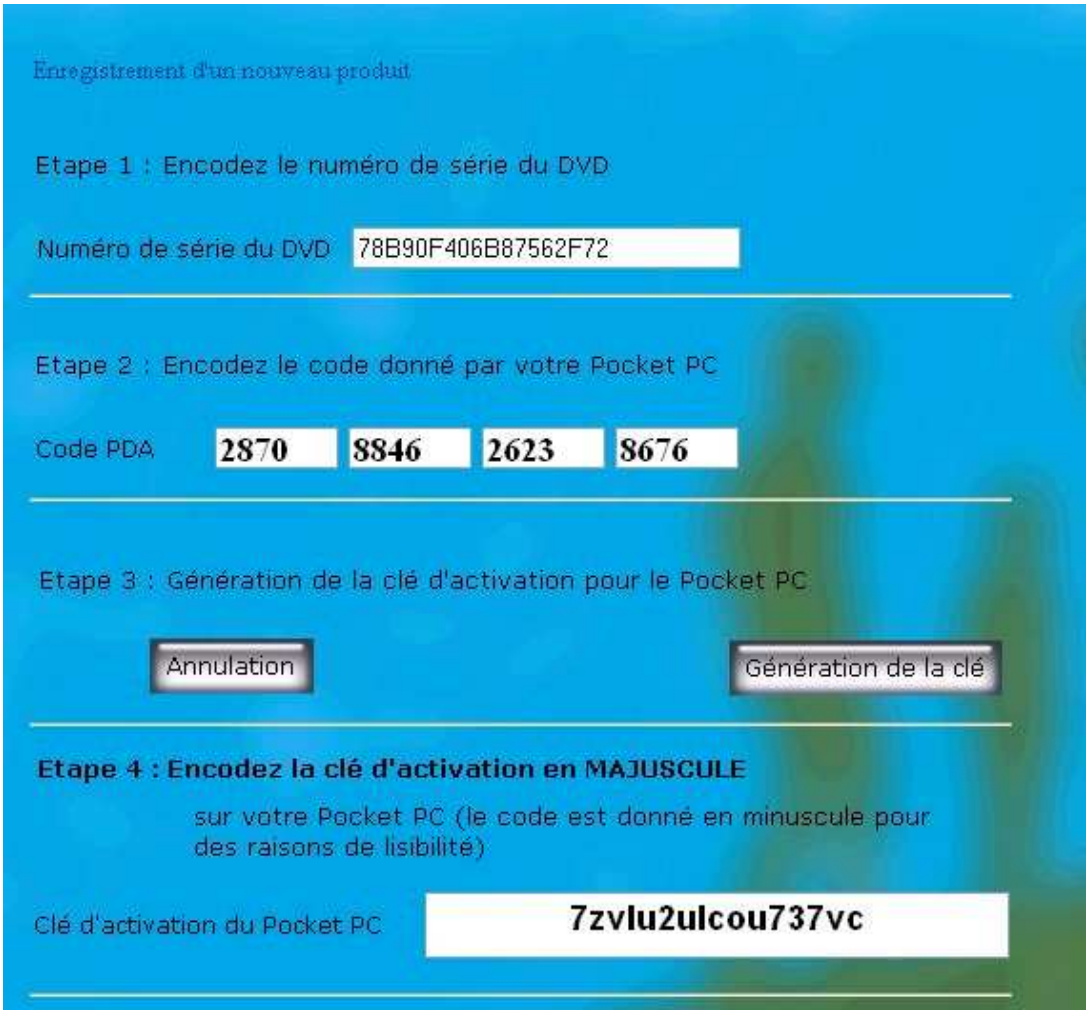
- Installation starts.
  (If Géorando PDA is already setup on the Pocket PC, update is proposed).
- Installation starts automatically on the Pocket PC which, according to the model, may ask you to allow installation (from an unknown editor) and to choose the setup directory.

Note: To uninstall the application, open "***Remove Programs"*** located under the "***System settings"*** of the Pocket PC. Select the application in the list and click on the ***Remove*** button.

CHAPTER 2: LICENSE REGISTRATION

The license registration procedure for Géorando PDA is executed **once and for all** for all DVDs.

- When Géorando PDA starts running for the first time, the application returns a 16-digit code.
- Go to the registration site and connect to your user account (www.georando.com/enregistrement).
- Go to '***Géorando Pocket PC***', type in the DVD serial number and the 16-digit code supplied by the Pocket PC.
- Click '***Génération de la clé***' ('***Key generation***') and the activation key of the Pocket PC appears in the box below. As shown on the picture, it is displayed in small letters to avoid any mistake but it must be encoded in **capital letters** on the Pocket PC.


Enregistrement d'un nouveau produit
Etape 1 : Encodez le numéro de série du DVD
Numéro de série du DVD
78B90F406B87562F72
Etape 2 : Encodez le code donné par votre Pocket PC
Code PDA
2870
8846
2623
8676
Etape 3 : Génération de la clé d'activation pour le Pocket PC
Annulation
Génération de la clé
Etape 4 : Encodez la clé d'activation en MAJUSCULE
sur votre Pocket PC (le code est donné en minuscule pour des raisons de lisibilité)
Clé d'activation du Pocket PC
7zvlu2ulcou737vc

- Restart Géorando on the Pocket PC and type in the activation key.

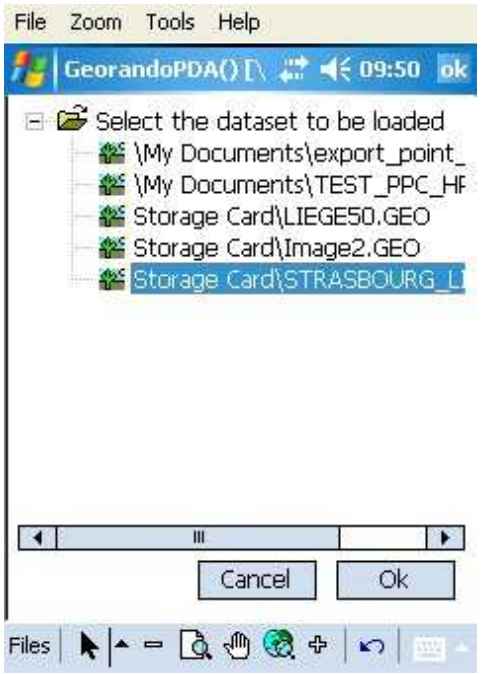
Note: Be careful when encoding characters!
Characters 1 (figure 1) and l (letter L) are often mixed up!

CHAPTER 3: MAKING THE MOST OF GEORANDO PDA

3.1 Start the application

In the ***Start*** menu, select the «***GeorandoPDA***» shortcut.

When the application starts running, the list of the maps exported from Géorando PC is displayed. This list is also accessible with the **Open** command in the ***File*** menu.



Note: The *.GEO files resulting from the **Export to Pocket PC** command (***File*** menu) of Géorando PC must be located in the 'My documents' folder or at the root of the Pocket PC storage card. Use ActiveSync to connect the Pocket PC to the PC.

When the map is chosen, the application opens with the map of France as background and automatically zooms on the loaded data.

3. 2 General interactivity

The interface of the Pocket PC consists of:
- a status bar located in the top part of the screen, mostly used to display the current scale;
- the main map window;
- a toolbar with navigation and creation commands located in the bottom part of the screen;
- a main menu to access most of the commands.

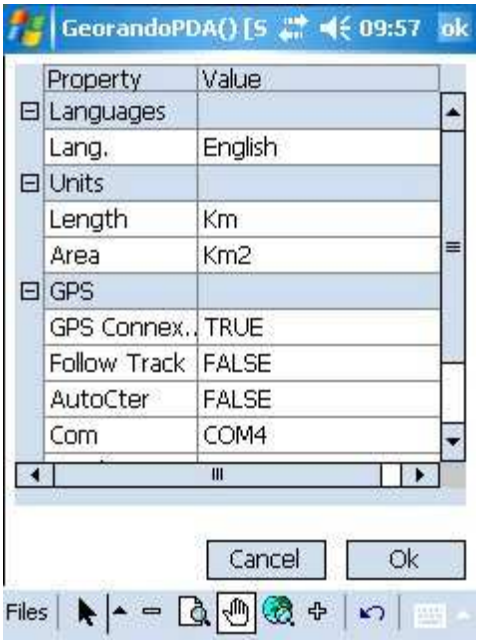
3.3 Application preferences

Géorando PDA preferences are accessible with the **Preferences** command in the ***File*** menu.

The following can be modified in the window:
- the application language;
- the distance and area units;
- the GPS parameters:
  - ***GPS Connex.***: specify whether the application can connect to GPS or not.
  - ***Follow Track***: keep on screen the positions recorded by the GPS (optional as it is possible to activate a GPS track with the **Begin GPS path** command in the ***GPS*** menu; Follow track = TRUE means that the GPS track is automatically recorded as soon as connecting the GPS).
  - ***AutoCter***: activate automatic centering on your position.
  - ***Com***: select the COM port to which the GPS connects.
  - ***Bauds***: select the transfer speed used by the GPS for communication.

Note: Go to the « **Connect the GPS** » section to check the most suitable speed and COM port.

- ***Cur. colour***: choose the colour of the GPS cursor.
- ***Cur. width***: choose the width of the cursor tracks.



3.4 Navigation commands

Navigation database tools are accessible with the application toolbar.

1 2 3 4 5 6

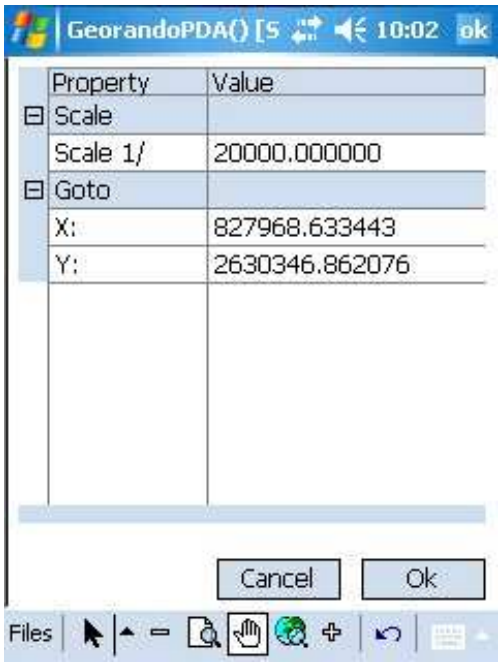
Click the icon corresponding to one of the navigation commands here under:
1- Zoom out or – (x factor 0.5).
2- Zoom through 2 points: with the pen, click the first point and draw to the second point.
3- Pan (for moves in the map window with constant scale).
4- General view.
5- Zoom in or + (x factor 2).
6- Return to previous zoom.

The **Pan** and **Zoom through 2 points** commands are reiterative, meaning that they can be used several times, one after the other, without being selected each time.

3.5 Find co-ordinates

The **Scale/co-ordinates** command in the ***Files/Tools*** menu allows localization on co-ordinates (Géorando PDA only works with 'Lambert 2 étendu' co-ordinates).

USE
- Click the **Scale/co-ordinates** command.
- Encode the scale.
- Encode the X and Y co-ordinates on which to locate ('Lambert 2 étendu').
- Click OK.

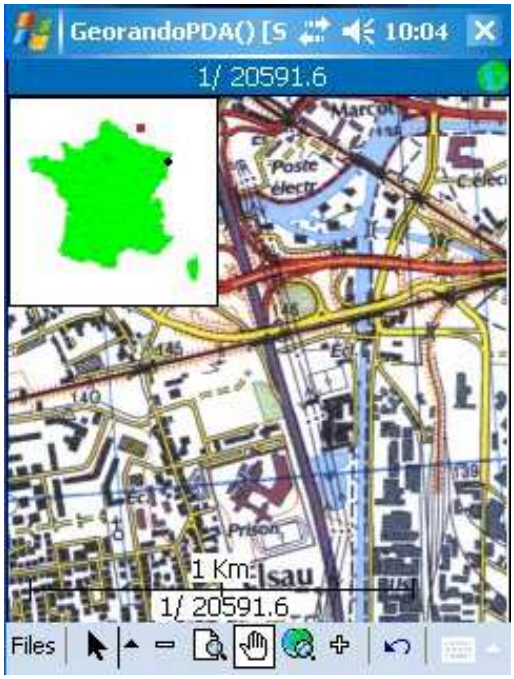


3.6 General view

To display a general view of France in the top left corner of the application, select the '***Overview'*** option of the ***Files/Tools*** menu.

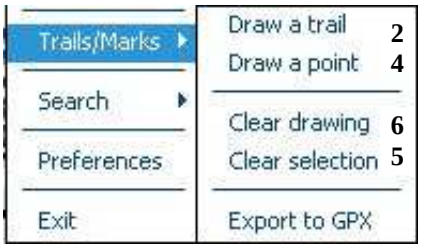
The current map window is highlighted in the general view by a red frame.

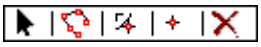
Zooms through 2 points are directly possible in the map of the general view. To do so, click the first point and draw to the second point.



3.7 Graphic creation tools (+ object move)

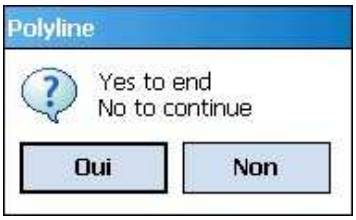
The creation tools are accessible via:
- the ***Files/Trails/Marks*** menu



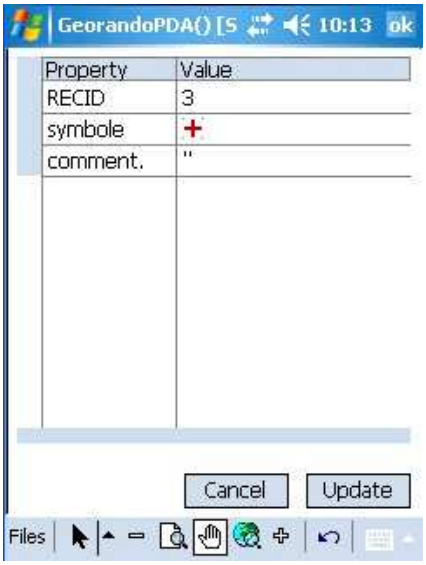
- the creation toolbar 

1- ***Graphic selection***: select a graphic object (trail, PoI,…).

2- ***Draw a trail***: create a trail on the Pocket PC.
- Activate the command.
- Click points in the graphic window (after the 2nd click, a line moving with the cursor links all the points).
- Double-click on the last point and click '***Yes***' to finish the trail.



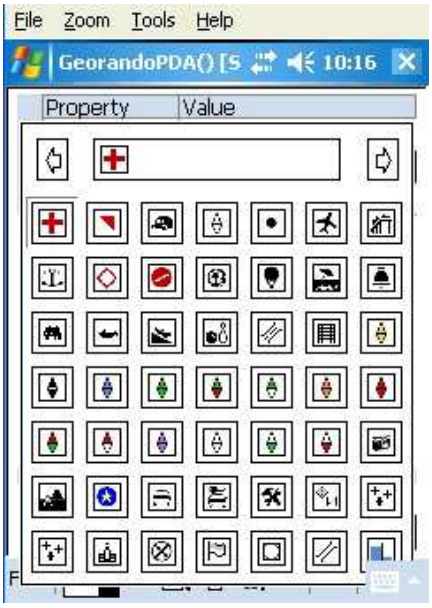
- Type in a name or a comment for the trail (double-click in the '**Comment.**' field): **maximum of 50 characters** to import it into Géorando PC. The '**RECID**' field is automatically incremented and the '**symbol**' field is useful when a point is created (go to # 4 "**Draw POI**").



- Click '***Update***' to create and saved the trail.

3- ***Create GPS point***: create a point on your position given by the GPS.
- Connect the GPS (go to # 14 « **Connect the GPS** »).
- Activate the command.

- Choose a symbol and type in a name for the point or a comment (**maximum of 50 characters** for import into Géorando PC).



- Click '***Update***' to create and save the GPS point.

This command can be used to create passing points in a trail. These points, however, have nothing in common and can not be exported altogether to GPX format (go to #12 « **Export to GPX** ») but must be exported separately and integrated separately to Géorando PC in which it is possible to create a trail by using GPS (with CTRL key).

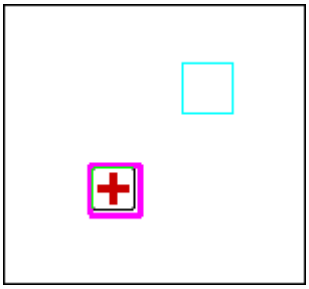
Note: The symbol of the point may sometimes be a little shifted in comparison with its real position because the symbol is always set horizontally.

4- ***Draw POI (Point Of Interest)***: create manually a point in the graphic window.
- Activate the command.
- Click a point in the graphic window.
- Choose a symbol and type in a name for the point or a comment (maximum of 50 characters).
- Click '***Update***' to create and save the point.

5- ***Clear selection***: delete the selected element.
- Select the element to delete.
- Activate the command. A warning message is displayed.
- Answer '***Oui***' ('***Yes***') to delete the element.

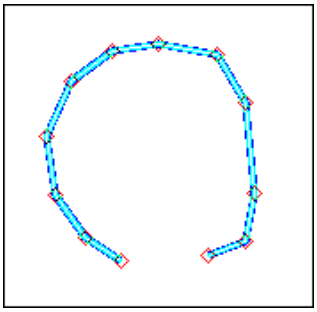
6- ***Clear drawing***: delete all graphic elements created on the Pocket PC.

7- ***Move graphic object***:
Point: - Activate the selection command.
- Double-click on the point. The point is displayed as a (blue) square.



- Click on the square and move it till the place of your choice.
- Click somewhere else in the graphic window to display the point on its new position.

Trail: - Double-click on the trail. The points that build up the trail are displayed as small red squares.



- It is now possible to move these points by selecting them and moving them to the place of your choice.
- Click somewhere else in the graphic window to display the trail on its new position.

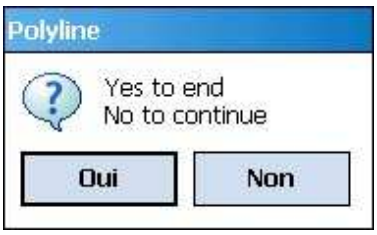
3.8 Measurement tools

Distance

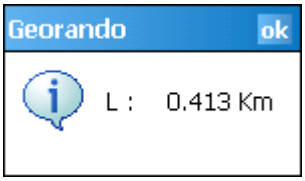
The **Distance** command in the ***Files/Tools*** menu allows measuring distances.

USE

- Select the command.
- Click n points in the graphic window (after the 2nd point, a line moving with the cursor appears between the clicks).
- The total distance is displayed above, in the status bar.
- To finish the command, double-click rapidly. The message here under is displayed:



- If you choose '***Oui***' ('***Yes***'), a window is displayed with the total distance (in km):



Area

The **Area** command in the ***Files/Tools*** menu allows measuring areas.
The way it is used is identical to one for distances.

Note: Click the selection icon (arrow) to disable the **Distance** and **Area** commands.

3.9 Find trail or waypoint

When several trails or waypoints (created in Géorando PC) are present in the graphic window, a procedure allows you to search for objects.

Search is made possible with the **Find waypoint…** and **Find trail…** commands in the ***Files/Search*** menu.

Objects are listed by the name (or comment) given in the properties of the trail (in Géorando PC).
Select the object of your choice and click OK.
The application automatically sets on the object.

Note: Trails can be given in Géorando PC a specific representation (with 2 colours). However, only the colour of the outer tracks is exported to the PDA.

3.10 Information on object

To display the information linked to graphic objects (name, comment, identification number), activate the selection command and select the object. A small identification sheet of the object appears in the graphic window.

Check the box on the left of the label to keep it displayed.

Display pictures

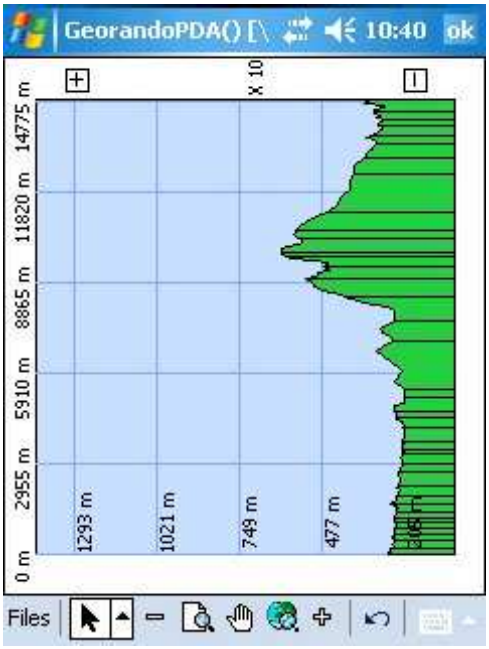
Pictures can be linked to objects (waypoint or trail) in the object properties (in Géorando PC). During export, this image will be copied in the *.GEO folder.
In Géorando PDA, the link to that image is displayed in the label under the comment. Click on it to visualise the image.

Note: In Géorando PC, objects (trails, points) can be given a name, a description as well as a picture can be associated to them. During export to Pocket PC, however, only the name and the picture are exported to the *.GEO folder. If you want to type in a name longer than 6 characters (by default), change this parameter in the ***Preferences/Options*** (***GPS*** tab) in the ***File*** menu of Géorando PC. The maximal number allowed is 50.

3.11 Trail profile

Use the **Trail profile** command in the ***Files/Tools*** menu to display the profile of the trail on the Pocket PC. This is only possible in the area covered by the open *.GEO export.

- Select the trail.
- Ask for its profile.



Click the icons + and – (factor between 1 and 20) to increase or decrease altitude exaggeration.

- Click OK to close the profile.

3.12 Export to GPX

The **Export to GPX** command in the ***Files/Trails/Marks*** menu allows saving in a GPX file the information drawn on the Pocket PC (points, trail, GPS track integrated as trail).
The GPX file can be integrated in Géorando PC or read by any other product supporting this format.

- Create a graphic object (trail, GPS track, PoI, GPS point).
- Select the object.
- ***Export to GPX***.
- Type in a file name and choose the destination folder.
- Transfer this GPX file to the PC (ActiveSync.).
- In Géorando PC, use the **Import (Waypoints, Routes or Tracks)** command in the ***GPS*** menu to integrate the object in the active trail file.

Note: You can also send this GPX file to your friends who will be able to read and use it with the free «Google Earth» application. It will be also possible to query the track and the points of interest with their comments in this mapping application.

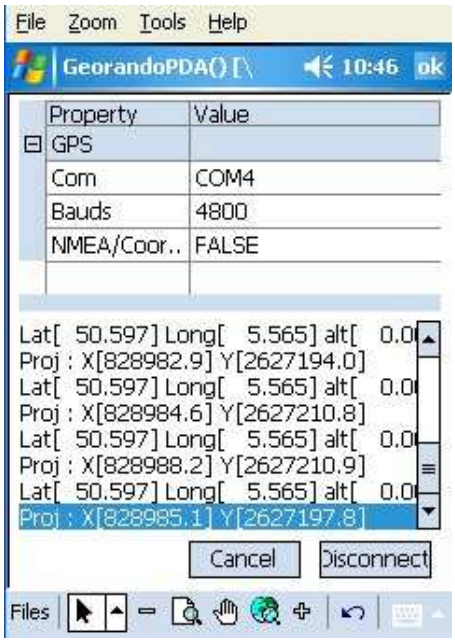
3.13 Test the GPS

Before connecting to the GPS, the application must be properly customized (COM port and speed in Bauds - in the preferences of the application).
To do so, use the **GPS Test** command in the ***Files/GPS*** menu.

1) Check first in the test window the appropriate COM port:
- Choose one of the proposed COM ports.
- Click '***Connect***'.
- If the message « Could not open serial port » appears, this is not the right COM port.

- Repeat the operation until you have the right COM port.

2) When the COM port is specified, choose the right speed (Bauds) :
- Choose a speed.
- Click '***Connect***'.
- After a few seconds:
  - If co-ordinates are displayed in the list (Lat.; Long.), the speed is right.
  - If the message « Invalid data » appears, this means that either the speed is not right or satellite connection isn't established yet.



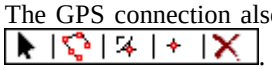
The **GPS Test** command also provides the co-ordinates of positions recorded by the GPS (every 8 seconds approximately), in latitude and longitude as well as in 'Lambert 2 étendu' co-ordinates.

3) The '***NMEA/Coord.'*** option provides:

- NMEA co-ordinates (TRUE) → $GPRMC,115253.014,V,,,,,,310806,,*27
  $GPRMC,115300.014,V,,,,,,310806,,*20
- 'Lambert 2 étendu' co-ordinates (FALSE) → Lat[0.000] Long[0.000] alt[0.000]
  Proj : X[250842.3] Y[-3541336.7]

3.14 Connect the GPS

The **Connect GPS** command in the ***Files/GPS*** menu allows you to display your position on the Pocket PC (if connected to NMEA GPS).

The GPS connection also opens when you click the '***Create GPS point***' icon available in the drawing toolbar  .

Click the icon to unwind the drawing toolbar.

USE

- Select the command.

- Answer 'Oui' ('Yes').
- The GPS connection icon appears in the top left corner. This icon is green when the GPS picks up satellite signals and red otherwise.

- When the Pocket PC is connected to the GPS, your position (cursor) is displayed in the middle of the graphic window.

GPS cursor →

The colour and width of the cursor tracks can be changed in the preferences of the application.

Note: If the '***Auto Center***' option is activated in the preferences, your GPS position is re-centred when it gets out of the graphic window.

3.15 Generate and integrate GPS track

The GPS track (displayed only if the '***Follow Track***' option is set TRUE in the preferences) can be saved temporarily as a trail.

- Generate track :
  - Connect the GPS (***Files/GPS*** menu).
    - If the '***Follow Track'*** option is set TRUE, the track is directly generated.
    - If the option is set FALSE, activate it with the **Begin GPS path** command in the ***File/GPS*** menu (necessary to go to the Preferences).

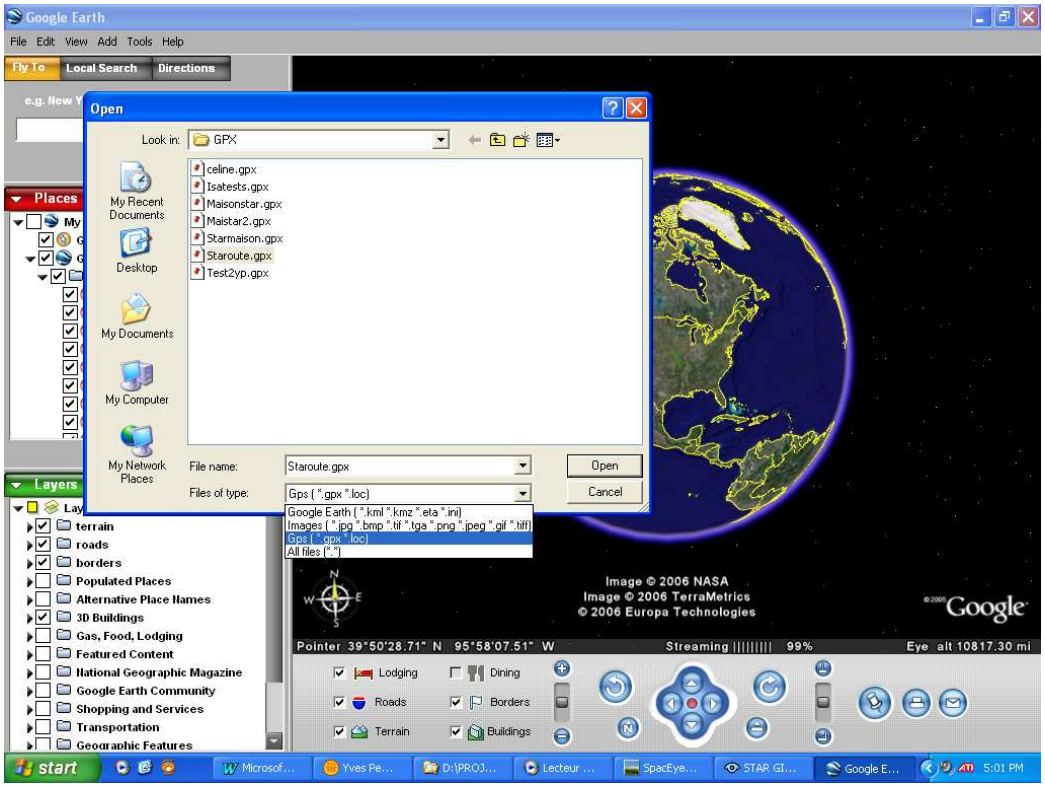
  - Move (the track is being saved slowly, with a green line between the points).
- Select the **Integrate GPS trail** command. The track is (temporarily) integrated as a trail. The track must be integrated before disconnecting the GPS!
- Disconnect the GPS (***File/GPS*** menu).
- Select the trail and export it as GPX for saving it for good (and integrating it afterwards in Géorando PC, via the ***GPS/Import*** menu).

Note: When you are creating a GPS track ('***Follow track***' option set TRUE), you can use the **Create GPS point** command to create a point on the current position. It does not interrupt the GPS track.

INFO: Once the trail in GPX format, it can be imported into any application which reads GPX format (as, for instance, Google Earth). This allows exchanging the trails done with people who do not have Géorando.

To do so, send your friends your GPX files exported from your Géorando PDA. They will run Google Earth and in the ***Open*** menu, see your trails and points of interest by selecting the GPX extension.

Have wonderful trails!


Google Earth
File Edit View Add Tools Help
Fly To Local Search Directions
Open
Look in: GPX
celine.gpx
Isatests.gpx
Maisonstar.gpx
Maistar2.gpx
Starmaison.gpx
Staroute.gpx
Test2yp.gpx
My Recent Documents
Desktop
My Documents
My Computer
My Network Places
File name: Staroute.gpx
Files of type: Gps (*.gpx *.loc)
Open
Cancel
Google Earth (*.kml *.kmz *.eta *.ini)
Images (*.jpg *.bmp *.tif *.tga *.png *.jpeg *.gif *.tiff)
Gps (*.gpx *.loc)
All files (*.*)
Places
Layers
terrain
roads
borders
Populated Places
Alternative Place Names
3D Buildings
Gas, Food, Lodging
Featured Content
National Geographic Magazine
Google Earth Community
Shopping and Services
Transportation
Geographic Features
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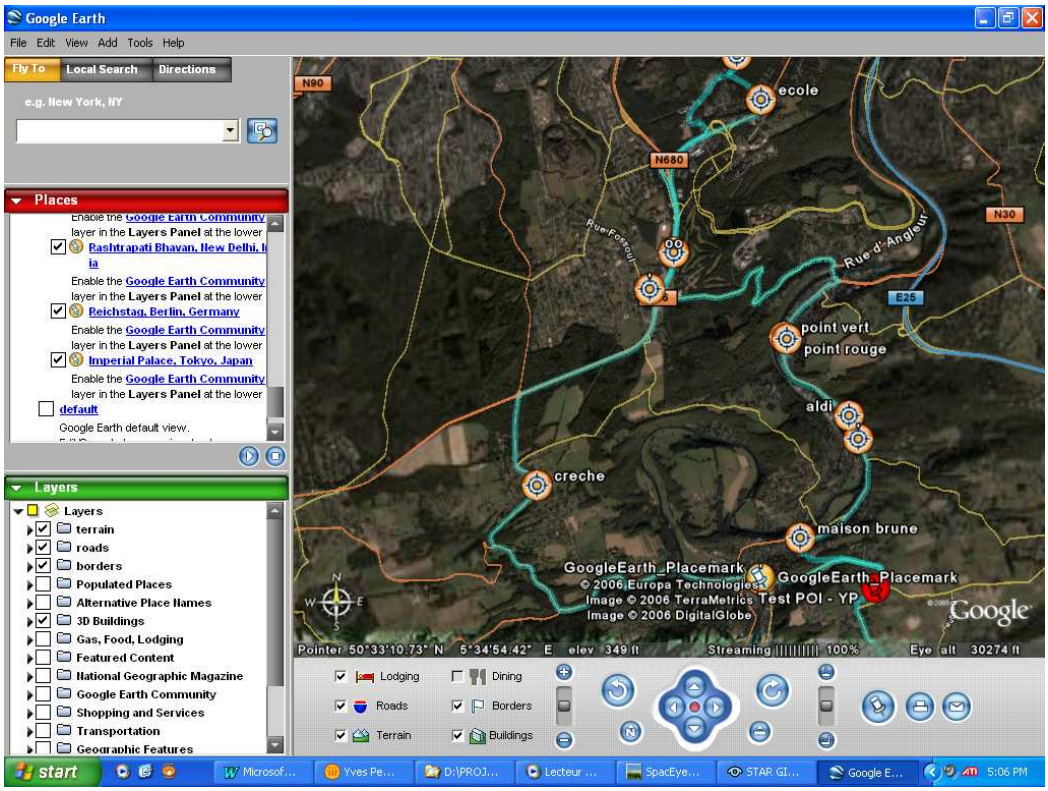
Google
Pointer 39°50'28.71" N 95°58'07.51" W
Streaming 99%
Eye alt 10817.30 mi
Lodging
Dining
Roads
Borders
Terrain
Buildings
start
5:01 PM


Google Earth
File Edit View Add Tools Help
Fly To Local Search Directions
e.g. New York, NY
Places
Rashtrapati Bhavan, New Delhi, I
ia
Reichstag, Berlin, Germany
Imperial Palace, Tokyo, Japan
default
Google Earth default view.
Layers
terrain
roads
borders
Populated Places
Alternative Place Names
3D Buildings
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Featured Content
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Shopping and Services
Transportation
Geographic Features
N90
N680
N30
E25
ecole
point vert
point rouge
aldi
creche
maison brune
GoogleEarth_Placemark
GoogleEarth_Placemark
Test POI - YP
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Google
Pointer 50°33'10.73" N 5°34'54.42" E elev 349 ft
Streaming 100%
Eye alt 30274 ft
Lodging
Dining
Roads
Borders
Terrain
Buildings
start
5:06 PM